



Vision Sensor

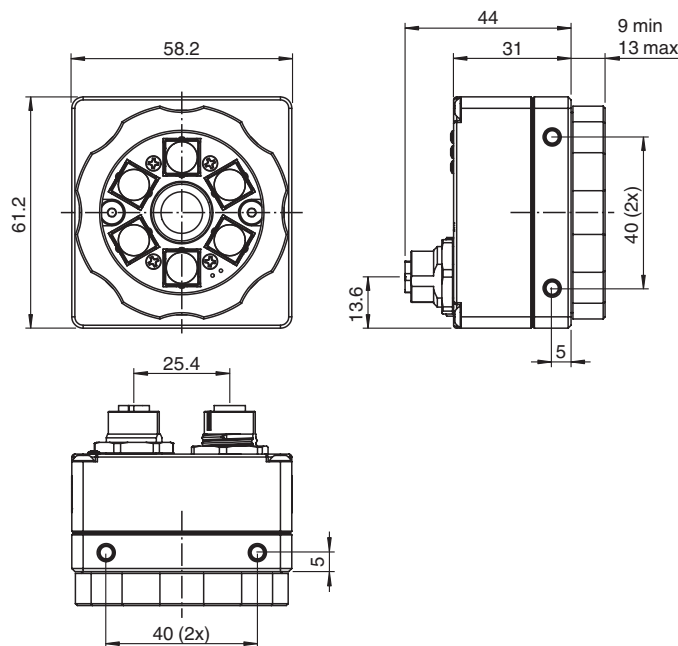
VOS1000C-F226W-8MM-S

- Wide range of detection tools for flexible inspection tasks
- Offline parameterization
- 32 Jobs on-board can be saved
- Job administration
- Integrated illumination
- Mechanical focus adjustment
- Color sensor

Vision sensor for complex object recognition with 32 job storage memory locations



Dimensions



Technical Data

General specifications

Light source	Integrated LED lightning
Light type	White light
Picture detail	dependant of operating distance
Trigger mode	Free-running or triggered externally
Depth of focus	$\pm 5\%$ of the operating distance
Resolution	640 x 480 pixels
Image sensor	1/3" Color , Global shutter

Parameterization/software

Parameter assignment	Parameterization via PC user interface VCT Tool
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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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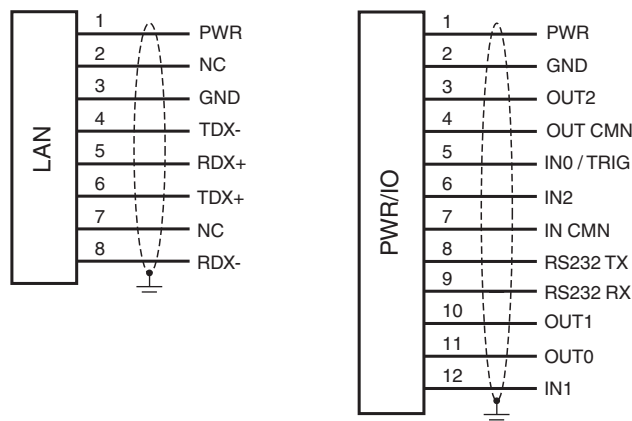
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 **PEPPERL+FUCHS**

Technical Data

Evaluation procedure		
Positioning and Guidance		Based on Parts or product marks, up to four Locators to detect X,Y shift and rotation
Identification and Verification		OCR, 1-D and 2-D barcodes
Detection & Pattern Matching		Pixel-, contour- or edge count
Measuring		Distance, angle, circle size (after calibration)
Indicators/operating means		
Operation indicator		LED blue
Function indicator		LED fault signal , LED yellow: switching state (2x) : Position OK/features OK
Focus setting		Focus adjustable via centering
Electrical specifications		
Operating voltage	U _B	12 ... 30 V DC
Interface		
Interface type		Ethernet 100 Mbit/s , RS 232 , PROFINET , Ethernet TCP/IP , EtherNet/IP , MODBUS
Input		
Input voltage		24 V
Control input		Trigger + 2 general purpose inputs 2 inputs can be used for hardware solution switching
Switching threshold		ON > 10 V DC OFF < 2 V DC
Output		
Output type		3 general purpose outputs
Switching voltage		24 V
Switching current		max. 100 mA each output
Standard conformity		
Emitted interference		EN 61000-6-4:2007+A1:2011
Noise immunity		EN 61000-6-2:2005
Approvals and certificates		
Approvals		CE
Ambient conditions		
Ambient temperature		0 ... 50 °C (32 ... 122 °F)
Storage temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Housing length		61 mm
Housing width		58 mm
Housing height		57 mm
Housing depth		
Housing diameter		
Degree of protection		IP67
Connection		8-pin M12 socket A-coded ; 12-pin M12 socket
Material		
Housing		anodized aluminum , plastic
Optical face		Plastic pane
Installation		Mounting bracket
Mass		approx. 200 g

Connection Assignment



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